

**In the Specification**

Page 35, delete entire Abstract and substitute the following:

-- A bone fusion implant for repair or replacement of bone includes a hollow body formed from at least two bone fragments which are configured and dimensioned for mutual engagement and which are coupled together. The hollow body may be formed of autograft, allograft, or xenograft bone tissue, and may include a core formed of at least one of bone material and bone inducing substances, with the core being disposed in the hollow body.--

**In the Claims**

Please amend the following claims to read as indicated:

1. (Amended) A bone fusion implant for repair or replacement of bone comprising a hollow body with a substantially enclosed hollow region formed between at least two bone fragments which are configured and dimensioned for mutual engagement and which are coupled together.

a1  
2. (Amended) The implant of claim 1, wherein the at least two bone fragments include a first bone fragment with a first coupling portion and a second bone fragment with a second coupling portion, and wherein the first and second bone fragments are joined together by interfitting together the first and second coupling portions.

a2  
13. (Amended) The implant of claim 1, wherein the hollow body comprises bone tissue selected from the group consisting of autograft, allograft, xenograft bone tissue, and combinations thereof.

14. (Amended) The implant of claim 13, wherein the bone tissue of at least one of the bone fragments is partially demineralized or demineralized.

a3  
16. (Amended) A bone fusion implant for repair or replacement of bone comprising a hollow body formed from at least two bone fragments which are configured and dimensioned for mutual engagement and which are coupled together, wherein the hollow body further comprises a completely enclosed hollow region.